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APPLICATION NO.	F	ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/761,341		01/16/2001	Serguei Glazko	000337	5972	
23696	7590	05/02/2006		EXAMINER		
QUALCON	-		TANG, KAREN C			
5775 MORE SAN DIEGO				ART UNIT PAPER NUMBER		
				2151		
			DATE MAILED: 05/02/2006			

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)			
	09/761,341	GLAZKO ET AL.			
Office Action Summary	Examiner	Art Unit			
	Karen C. Tang	2151			
The MAILING DATE of this communication app					
Period for Reply		·			
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DATE of the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period was a Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim rill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONEI	Lely filed the mailing date of this communication. C (35 U.S.C. § 133).			
Status					
1)⊠ Responsive to communication(s) filed on <u>09 December</u> 2a)⊠ This action is FINAL . 2b)□ This 3)□ Since this application is in condition for allower closed in accordance with the practice under E	action is non-final. nce except for formal matters, pro				
Disposition of Claims					
4) □ Claim(s) 1-4,6-9,11-15,17-20,22-27,29,30 and 4a) Of the above claim(s) is/are withdraw 5) □ Claim(s) is/are allowed. 6) □ Claim(s) 1-4, 6-9, 11-15, 17-20, 22-27, 29, 30, 7) □ Claim(s) is/are objected to. 8) □ Claim(s) are subject to restriction and/or Application Papers 9) □ The specification is objected to by the Examine 10) □ The drawing(s) filed on is/are: a) □ access Applicant may not request that any objection to the ore Replacement drawing sheet(s) including the correction 11) □ The oath or declaration is objected to by the Examine 11) □ The oath or declaration is objected to by the Examine 11) □ The oath or declaration is objected to by the Examine 11) □ The oath or declaration is objected to by the Examine 11) □ The oath or declaration is objected to by the Examine 11 □ The oath or declaration is objected to	vn from consideration. and 32 is/are rejected. r election requirement. r. epted or b) objected to by the Edrawing(s) be held in abeyance. See ion is required if the drawing(s) is objected to by the election is required if the drawing(s) is objected to by the election is required if the drawing(s) is objected to by the election is required if the drawing(s) is objected to by the election is required if the drawing(s) is objected to by the election is required if the drawing(s) is objected to by the election is required if the drawing(s) is objected to by the election is required if the drawing(s) is objected to by the election is required if the drawing(s) is objected to by the election is required if the drawing(s) is objected to by the election is required if the drawing(s) is objected to by the election is required in the election is required in the drawing(s) is objected to by the election is required in t	Examiner. e 37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
Attachment(s)					
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal Pa	te atent Application (PTO-152)			

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- This action is responsive to the amendment and remarks file on 12/09/05.

- Claims 1-4, 6-9, 11-15, 17-20, 22-27, 29, 30, and 32 are presented for further examination.

DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- II. Claims 1-4, 6-9, 11-15, 17-20, 22-27, 29, 30, and 32 are rejected under 35 U.S.C. 103(a) as being unpatentable over Jou (US 6480472) in view of Chen et al, hereinafter Chen (US 6335990)
- 1. Referring to Claim 1 and 23, Jou states that the system receives data transmitted in a plurality of frames refer to Col 6, Line 36 45, Jou also states the system can classify each of the frame refer to Col 3, Line 7 Line 14.

Jou specifies the system analyzing the classification of number of successive frames of the received data and providing a metric with respect thereto refer to Col 3, Line 7 - 25. The system can determine if a frame is a discontinuously transmitted frame, thereby inhibiting a mobile receiver from requesting retransmission of the frames or a change in transmission power level.

(A "whereby" which is equivalent as "thereby" clause that merely states the result of the limitations in the claim adds nothing to the patentability or substance of the claim. Whereby

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clause that relates back to and clarifies what is required by the claim and gives meaning and purpose to the claim rather than merely stating inherent results is a limitation that must be given patentable weight. See Texas Instrument Inc. v. Internation Trade Commission, 26 USPQ2d 1018 (Fed. Cir. 1993); Griffin v. Bertina, 62 USPq2d 1431 (Fed. Cir. 2002); Amazon.com Inc.v. Barnesandnoble.com Inc., 57 USPQ2d 1747 (Fed. Cir. 2001))

Jou did not expressly disclose wherein said classifying includes computing a filter output: Yn = Yn-1 + Xn where 'n' is a frame number, Yn is the filter output for a given frame n, Yn-1 is the filter output for a previous frame, and Xn is a stream of input frames, said filter output being clamped between two predetermined values for a value of n within a predetermined range.

Chen discloses that the classifying includes computing a filter output: Yn = Yn-1 + Xn where 'n' is a frame number, Yn is the filter output for a given frame n, Yn-1 is the filter output for a previous frame, and Xn is a stream of input frames, said filter output being clamped between two predetermined values for a value of n within a predetermined range, refer to Figure 9, Col 2, Lines 49-63, and Col 9, Lines 28-42.

At the time of the invention, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to combine the teaching of Jou with the teaching of Chen. One of ordinary skill in the art would have been motivated to do this because Jou discloses there is a filter associate with the system. Furthermore, it would be beneficial to use Chen's idea to implement the filter with IIR filter so it can be easily filter the data in the vertical, horizontal, and temporal dimension in a single step, and it also can preserve the sequence of the frames.

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- 2. Referring to Claim 2, 13, and 24, Jou states that the system consists error-checking ability for the frames refer to Col 4, Line 18 29.
- 3. Referring to Claim 3, 14, and 25, Jou states that the error checking includes performing a cyclic redundancy check refer to Col 4, Line 18 29.
- 4. Referring to Claim 4, 15, and 26, Jou states that the system classifies the frames as good frames, erasure frames or discontinuous frames refer to Col 3, Line 7 14.
- 6. Referring to Claim 6, 17, and 27, Jou states the system assignes a numerical value to each of the frames based on the classification thereof Col 9, Line 25 60.
- 7. Referring to Claim 8, 19, and 29, Jou states the system set a threshold for the output of the filter refer to Col 3, Line 23 30.
- 8. Referring to Claim 9, 20, and 30, Jou states the system outputs an indication of a detection of a discontinuous transmission frame when the filter output exceeds the threshold refer to Col 3, Line 8-30.

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9. Referring to Claim 11, 22, and 32, Jou states the system reclassify frame to discontinuous if the frame was classified as erasure and the output of the filter exceeds the thresholds Col 3, Line 8 - 30.

10. Referring to Claim 12, Jou specifies a communication consists a transmitter which adapts to transmit frames of data, at least some of the frames being discontinuous. The system consists a receiver which adapted to received and classify the transmitted frames. The system also consists a processor and a software to analyze the classification of a number of successive frames of the receiving data and providing a metric with respect thereto and for determining, in response to the metric, if a frame is a discontinuously transmitted frames. thereby inhibiting a mobile receiver from requesting retransmission of the frames or a change in transmission power level. (A "whereby" which is equivalent as "thereby" clause that merely states the result of the limitations in the claim adds nothing to the patentability or substance of the claim. Whereby clause that relates back to and clarifies what is required by the claim and gives meaning and purpose to the claim rather than merely stating inherent results is a limitation that must be given patentable weight. See Texas Instrument Inc. v. Internation Trade Commission, 26 USPQ2d 1018 (Fed. Cir. 1993); Griffin v. Bertina, 62 USPq2d 1431 (Fed. Cir. 2002); Amazon.com Inc.v. Barnesandnoble.com Inc., 57 USPQ2d 1747 (Fed. Cir. 2001))

Jou did not expressly disclose an IIR filter having an output clamped between two predetermined values for a predetermined number of past and present frames.

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Chen discloses that IIR filter having an output clamped between two predetermined values for a predetermined number of past and present frames refer to Figure 9, Col 2, Lines 49-63, and Col 9, Lines 28-42.

At the time of the invention, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to combine the teaching of Jou with the teaching of Chen. One of ordinary skill in the art would have been motivated to do this because Jou discloses there is a filter associate with the system. Furthermore, it would be beneficial to use Chen's idea to implement the filter with IIR filter so it can be easily filter the data in the vertical, horizontal, and temporal dimension in a single step, and it also can preserve the sequence of the frames.

11. Referring to claim 7 and 18, Jou specified that there is a filter associate with the system. Jou does not expressly disclose what type of filter or the filter equation being used in the system. Chen states that the filter is associate with the system and also the filter is in the form of Yn = Yn-1 + Xn refer to Figure 9.

At the time of the invention, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to combine the teaching of Jou with the teaching of Chen. One of ordinary skill in the art would have been motivated to do this because Jou discloses there is a filter associate with the system. Furthermore, it would be beneficial to use Chen's idea to implement the filter with IIR filter so it can be easily filter the data in the vertical, horizontal, and temporal dimension in a single step, and it also can preserve the sequence of the frames.

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Response to Arguments

Applicant's arguments with respect to claims 1-4, 6-9, 11-15, 17-20, 22-27, 29, 30, and 32 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Karen C. Tang whose telephone number is (571)272-3116. The examiner can normally be reached on M-F 7 - 3.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Zarni Maung can be reached on (571)272-3939. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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KT Karen Tang 04/18/06

ZARNI MAUNG

PATÉNT EXAMINER